

ABSTRACT OF THE DISCLOSURE

An apparatus and method for demodulating signals transmitted from one or more Node-Bs using transmit diversity methods determined on a Node-B basis in a mobile communication system based on code division multiple access (CDMA). In the apparatus,
5 a plurality of fingers assigned on a path-by-path basis discriminates among multipath signals received from the one or more Node-Bs. A combiner selectively combines signals output from the fingers according to the use of transmit diversity. A transmit diversity signal processor demodulates the signals combined by the combiner on the basis of one transmit diversity method determined by a transmit diversity controller. The transmit
10 diversity controller determines the transmit diversity method through transmit diversity information received from the Node-Bs, and controls the transmit diversity signal processor according to the determined transmit diversity method.